Digital Control Power Supply Housing Installation Instructions

This housing is suitable for the following mode of digital control power supply:
DPS3003, DPS3005, DPS5005, DP30V3A, DP30V5A, DP50V5A, DP50V2A



1. Installation Note:

1.1 Please read the instructions carefully before installation. If you have any question, please contact us.

1.2 This housing adopts aluminum alloy material, so please avoid being scratched by sharp objects, direct sunlight and humid environment.

1.3 when install this, please avoid short-circuit and connect positive and negative electrode correctly

1.4 Forbid connect the circuit after power on.

1.5 Please avoid vibration and fall.

2. Product Specifications



2.1 Kit parts list

Item	Specification	Qty.	Remark
Front panel	49.2*120*130 MM(H*W*D)	1	36 aluminum
Rear panel		1	
Upper cover plate		1	
Lower cover plate		1	
Fan	4010	1	5V power supply
Fan power supply board	36*40 (L*W)	1	
Binding post	M4*36	4	Red 2pcs Black 2pcs
Cold press connecting terminal	UT1-4	2	Spade Terminal
Rocker Switch	KCD3	1	
Connecting line	RV1 square single core flexible cord	2	Red 30cm Black 30cm
Screw for housing	Flat head M3*6	8	
Fan fixed screw	Fillister head M3*13	4	Screw 4 pcs Nut 4 pcs
Transparent sticky mat	Φ12*4	4	

2.2 Kit parts picture

1- Lower cover plate
2- Upper cover plate
3- Front panel
4- Rear panel
5- Fan
6- Connecting line
7- Fan power supply board
8- Binding post
9- Rocker Switch
10- Transparent sticky mat
11- Screw



Note：

Screw for housing 8pcs	Fan fixed screw Fillister head M3*13 Screw 4 pcs Nut 4 pcs	Cold press connecting terminal UT1-4 2pcs









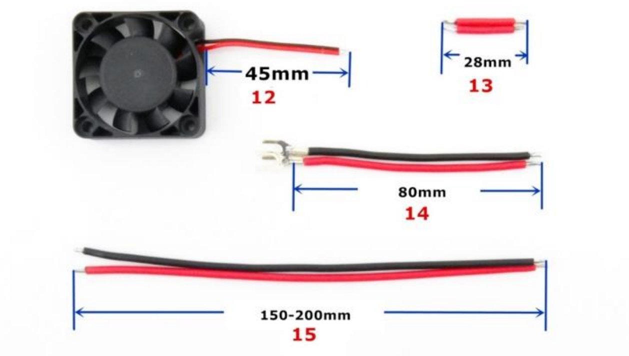
3 Installation Procedures

3.1 Installation Preparation

3.1.1 1 pcs digital control power supply
3.1.2 Tools (Soldering iron, solder, Philips screwdriver, Wire stripping pliers)
3.1.3 A proper installation environment

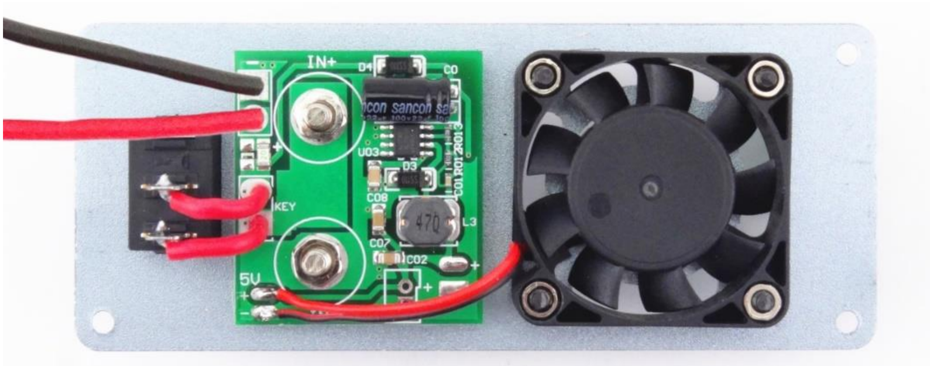
3.2 **Installation Procedures**

3.2.1 Use wire stripping pliers to cut proper length line, the length as follows:



12- Fan line 45mm
13- Switch connecting line 28mm
14- Output connecting line (Cold press connecting terminal is weld on one side of line) 80mm
15- Input connecting line 150-200mm

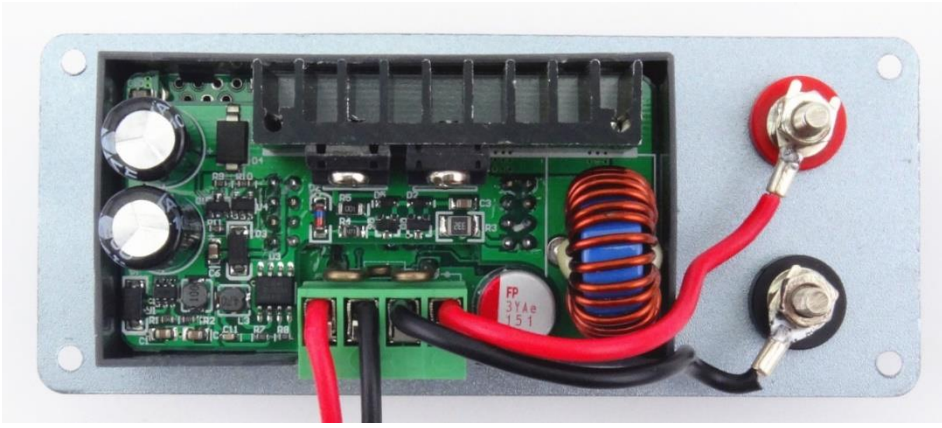
3.2.2 Install the input binding post and switch: put binding post and switch on slot at rear panel. Install binding post according to rule that red is positive above, black is negative below; and screw it tightly.
3.2.3 Install the fan: use the matched screw to fix. The one side attached label is install outward,)
3,2.4 Install fan power supply board:



3.2.4.1 Install fan power supply board on the binding post (red is positive above, black is negative below), then use the screw to fix them.
3.2.4.2 Use the prepared wire to weld the power switch on the kay place at fan power supply board,
3.2.4.3 Weld fan line on 5V place at fan power supply board (Note: can't weld positive and

negative reversely).

3.2.4.4 Weld the input power supply line on the bonding pad on the upper left corner of board）.



3.2.5 Install the output binding post, and use the output line with cold press connecting terminal to connect input (red is positive above, black is negative below)，and screw it tightly

3.2.6 The module adopts pluggable terminal blocks, you just put input and output 4 wires into the right hole of terminal (Don't connect wrong for 4 wires)

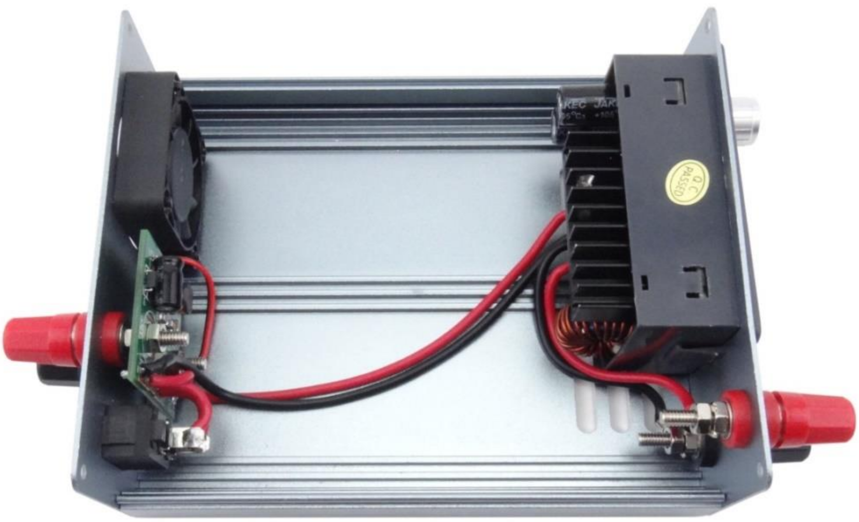
3.2.7 Install the power supply module. Please put it on slot at front panel and connect the connecting terminal (when put it on slot, strength will be proper to avoid the deformation).

3.2.8 After connecting, please power on to check it work or not (before power on, check connection again)

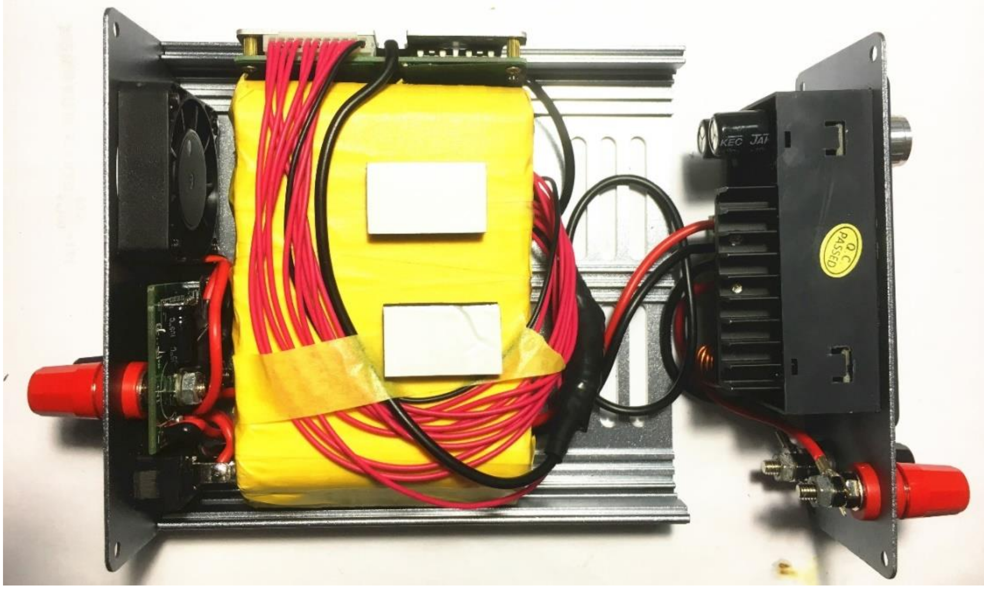
3.2.9 Install the housing. The front panel will be installed on the side of air inlet. The installation sequence can be installed upper cover plate first, and then fixed front panel and rear panel.

3.2.10 There are 4 transparent sticky mat, you can paste symmetrically them on the 4 corners on the bottom.

3.3 Internal connection diagram：



3.4 Extended application extension: you can put 10 pcs 18650 battery in series in the middle on housing to be input power supply. This will be a handheld mobile high-power dc stabilized voltage power supply


Q C
PASSED